

September 1, 2009

ORENCO SYSTEMS INC
GOVERNMENT RELATIONS
ANGELA BOUNDS
814 AIRWAY AVE
SUTHERLIN OR 97479

Re: Description: SEWAGE TANKS, FIBERGLASS
Manufacturer: ORENCO SYSTEMS INC
Product Name: SEPTIC, HOLDING, PUMP, OR SIPHON
Model Number(s): 1000
[51 IN. L.L., 48 IN. MAX. DEPTH OF BURY, 503 G.P.D. WHEN USED AS A SEPTIC TANK
BASED ON A 3 YR. SERVICE INTERVAL FOR RESIDENTIAL WASTEWATER; SEE
GALS./IN. IN STIPULATIONS BELOW]
Product File No: 20090318

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of DECEMBER 2014.**

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- This product is approved to be used with the following:
 - Baffle wall, which have two 3 inch vent holes and four 3 inch diameter pass-through holes. The vent holes are located 60 inches above the bottom of the tank. The pass through holes are located 32 inches above the bottom of the tank.
 - The location of the baffle wall must be installed in the first or second rib from the outlet of the tank.
 - Orenco pipe grommets for sealing openings through tank and riser.
 - Orenco fiberglass lid, with or without air vent or lid installation option.
 - Orenco Perma-Loc, Ultra Rib, or Kor flo access risers.
- **BEDDING: Tanks to be set on a min. 4-in. compacted sand or approved granular bedding overlying a uniform base. Base to be stable and uniform in order to ensure equal bearing across tank bottom.**
- Tank weight is approximately 320 pounds for a tank without baffle wall and 350 pounds for a tank with baffle wall.

- The gallon capacity per inch of the Orenco 1000 gallon dose tank is shown in the table below.

Height from tank bottom	Gallons capacity	Height from tank bottom	Gallons capacity	Height from tank bottom	Gallons capacity
4	26	20	307	36	709
5	37	21	330	37	735
6	49	22	353	38	760
7	62	23	377	39	785
8	76	24	401	40	809
9	91	25	425	41	833
10	107	26	450	42	857
11	124	27	475	43	880
12	141	28	501	44	903
13	160	29	527	45	926
14	179	30	553	46	948
15	199	31	579	47	970
16	219	32	605	48	991
17	240	33	631	49	1011
18	262	34	657	50	1031
19	284	35	683	51	1050

- Installation of this tank must include water tightness testing performed in accordance with the manufacturer's printed instructions as noted in Orenco Fiberglass Tank Installation Instructions for Injection-Molded FRP Tanks publication NIN-TNK-1 Rev. 3.3, copyright 12/04.
- The riser lid must be attached to the riser by using tamper proof lid bolts provided by Orenco.

This approval supersedes the approval issued on 12/10/2004 under product file number 20040476.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20040476.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST
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